Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	25	((thin adj film) same (film adj layer) same cavities).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:18
L2	132	((thin adj film) and (film adj layer) and cavities).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:19
L3	107	L2 not L1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:25
L4	1814	(("70" "71" "72" "73" "74") near2 (thin adj film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:27
L5	240	((4 "5" "6") near2 (cavities)) same (thin adj film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:27
L6	87	((("70" "71" "72" "73" "74") near2 (thin adj film))) and (optical adj (fiber or fibre))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:27
L7	6	(((4 "5" "6") near2 (cavities)) same (thin adj film)) and (optical adj (fiber or fibre))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 15:34
L22	18604	(thin adj film) same (number with (layer or film or stacks))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:10

L23	6425	(thin adj film) same (number with layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:08
L24	3289	(thin adj film) with (number with layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:08
L25	944	L22 and (optical with (fiber or fibre))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:08
L26	380	L25 and (interleaver or multiplex$3 or demultiplex$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:10
L27	496	(thin adj film) same (number with (layer or film or stacks) with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:10
L28	19	L27 and (interleaver or multiplex$3 or demultiplex$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 16:10
L29	0	("2004/0258107").URPN.	USPAT	OR	ON	2005/07/13 16:13
S1	19	(("6813414") or ("6674968") or ("6373604") or ("6850364") or ("6704469") or ("6282025") or ("6850364") or ("6694066") or ("6658180") or ("6788852") or ("6882764") or ("6876805") or ("6671086") or ("6798568") or ("6845191") or ("6836581") or ("6684002") or ("6331913") or ("6859316") or ("6373631")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/12 16:08

S2	8	S1 and (thin adj film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/12 16:33
S3	18	(("5937116") or ("6342960") or ("20040018019") or ("5812306") or ("5652814") or ("5754718") or ("6388783") or ("6256433") or ("6512615") or ("20030053747") or ("6275322") or ("20020118417") or ("20030123827") or ("6486988") or ("6735365") or ("5719989") or ("6018421") or ("6611378")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/13 09:23
S4	7	(("20030169507") or ("6167171") or ("5812306") or ("5652814") or ("5754718") or ("6388783") or ("20040109235")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/13 09:29
S5	13	(S3 or S4) and (thin adj film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 09:42
S6	773	((fiber or fibre) same collimat$4) and ((thin adj film) same substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 09:43
S7	246	((fiber or fibre) same collimat$4) and ((thin adj film) same substrate) and ((index or indicies) near2 refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 09:44
S8	17	((fiber or fibre) same collimat$4) and ((thin adj film) same substrate same spacer) and ((index or indicies) near2 refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 09:44

S9	266	("20020131176" | "3387531" | "3551017" | "3697153" | "3759604" | "3914023" | "3929398" | "3944330" | "4009453" | "4112361" | "4197008" | "4229066" | "4253728" | "4342502" | "4394069" | "4415233" | "4444469" | "4504950" | "4531838" | "4582431" | "4591231" | "4663557" | "4666250" | "4702549" | "4747666" | "4778251" | "4793669" | "4813756" | "4832448" | "4861136" | "4896948" | "4904044" | "4909631" | "4947223" | "5002730" | "5027178" | "5035485" | "5056887" | "5062684" | "5071206" | "5073004" | "5082629" | "5103340" | "5132826" | "5138222" | "5144471" | "5144498" | "5144632" | "5150236" | "5166755" | "5179468" | "5181143" | "5212584" | "5218473" | "5233464" | "5241417" | "5245474" | "5255332" | "5274661" | "5280549" | "5287214" | "5297155" | "5303165" | "5331651" | "5343542" | "5345328" | "5355217" | "5392117" | "5408555" | "5410431" | "5416867" | "5425115" | "5425964" | "5426532" | "5479082" | "5491764" | "5500763" | "5506731" | "5532864" | "5557439" | "5557442" | "5563733" | "5583683" | "5606439" | "5608743" | "5625492" | "5631765" | "5633741" | "5638473" | "5652675" | "5719989" | "5760391" | "5760910" | "5760934" | "5781341" | "5784507" | "5799121" | "5809190" | "5835517" | "5850292" | "5872655" | "5889592" | "5889904" | "5900983" | "5909303" | "5912762" | "5923429" | "5923470" | "5926317" | "5956441" | "5991023" | "5991027" | "5999267" | "5999322" | "6002479" | "6011652" | "6014256" | "6031653" | "6034772" | "6040932" |	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/13 10:25

S10	19	(("6813414") or ("6674968") or ("6373604") or ("6850364") or ("6704469") or ("6282025") or ("6850364") or ("6694066") or ("6658180") or ("6788852") or ("6882764") or ("6876805") or ("6671086") or ("6798568") or ("6845191") or ("6836581") or ("6684002") or ("6331913") or ("6859316") or ("6373631")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/13 10:25
S11	18	(("5937116") or ("6342960") or ("20040018019") or ("5812306") or ("5652814") or ("5754718") or ("6388783") or ("6256433") or ("6512615") or ("20030053747") or ("6275322") or ("20020118417") or ("20030123827") or ("6486988") or ("6735365") or ("5719989") or ("6018421") or ("6611378")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/13 10:25
S12	7	(("20030169507") or ("6167171") or ("5812306") or ("5652814") or ("5754718") or ("6388783") or ("20040109235")).PN.	US-PGPUB; USPAT	OR	OFF	2005/07/13 10:25
S13	17	((fiber or fibre) same collimat$4) and ((thin adj film) same substrate same spacer) and ((index or indicies) near2 refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 10:25
S14	260	S9 not (S10 S11 S12 S13)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:28
S15	246	((fiber or fibre) same collimat$4) and ((thin adj film) same substrate) and ((index or indicies) near2 refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 10:25
S16	2	S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 10:25

S17	251	(S15 S14) and ((fiber or fibre) same collimat$4) and ((thin adj film) same substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 10:46
S18	253	(S15 S14) not S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 10:46
S19	0	("2004/0109635").URPN.	USPAT	OR	ON	2005/07/13 10:56
S20	0	("2004/0109235").URPN.	USPAT	OR	ON	2005/07/13 10:56
S21	0	("2005/0078909").URPN.	USPAT	OR	ON	2005/07/13 11:02
S22	0	S15 not (S10 S11 S12 S13 S17)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:03
S23	253	S14 not (S10 S11 S12 S13 S17)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:03
S24	253	S18 not (S10 S11 S12 S13 S17)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:05
S25	17	S24 and (fiber or fibre) and collimat$4 and (thin adj film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:29

S26	240	("20020003643" | "20020126291" | "20020131176" | "3403260" | "3551017" | "3614188" | "3623797" | "3697153" | "3697182" | "3703640" | "3759604" | "3914023" | "3949259" | "3953727" | "4001577" | "4009453" | "4229066" | "4253728" | "4504950" | "4531838" | "4548478" | "4582431" | "4663557" | "4666250" | "4747666" | "4778251" | "4793669" | "4813756" | "4832448" | "4909631" | "4947223" | "4949005" | "5023944" | "5027178" | "5035485" | "5071206" | "5111321" | "5138219" | "5138222" | "5144498" | "5144632" | "5179468" | "5181143" | "5212584" | "5212745" | "5233464" | "5241417" | "5245474" | "5266238" | "5274661" | "5287214" | "5345328" | "5355217" | "5397739" | "5410431" | "5425115" | "5425964" | "5426532" | "5463494" | "5579420" | "5583683" | "5606439" | "5608743" | "5625492" | "5631765" | "5666225" | "5719989" | "5751466" | "5777793" | "5781268" | "5786915" | "5835517" | "5859717" | "5859940" | "5889592" | "5909303" | "5917626" | "5923429" | "5926317" | "5999267" | "5999322" | "6011652" | "6014485" | "6018421" | "6028693" | "6034772" | "6040932" | "6041071" | "6046854" | "6061171" | "6067391" | "6115180" | "6115401" | "6117530" | "6137575" | "6157490" | "6208466" | "6432471" | "6481369" | "6567430").PN. OR ("2003/0147136" | "4244045" | "6115401" | "6215592" | "6219481" | "6269202" | "6490381" | "6611378" | "6658172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/13 11:28

S27	221	S26 not (S10 S11 S12 S13 S17 S25)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:29
S28	23	S27 and (fiber or fibre) and collimat$4 and (thin adj film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/13 11:29
S29	0	(interleaver same collimator same substrate same (thin adj film)).clm.	US-PGPUB	OR	ON	2005/07/13 14:20
S30	2	(collimator same substrate same (thin adj film)).clm.	US-PGPUB	OR	ON	2005/07/13 14:20

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☐ **1. Wide-beam propagating fiber for inline optical components**
Shiraishi, K.; Yoda, H.; Tamura, Y.; Kawasaki, N.;
Lightwave Technology, Journal of
Volume 23, Issue 4, April 2005 Page(s):1774 - 1780
AbstractPlus | Full Text: PDF(664 KB) **IEEE JNL**

☐ **2. Integrated optical device with second-harmonic generator, electrooptic lens, and scanner in $LiTaO_3$**
Yi Chiu; Gopalan, V.; Kawas, M.J.; Schlesinger, T.E.; Stancil, D.D.; Risk, W.P.;
Lightwave Technology, Journal of
Volume 17, Issue 3, March 1999 Page(s):462 - 465
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☐ **3. Micromechanical fiber-optic attenuator with 3 µs response**
Ford, J.E.; Walker, J.A.; Greywall, D.S.; Goossen, K.W.;
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Volume 16, Issue 9, Sept. 1998 Page(s):1663 - 1670
AbstractPlus | References | Full Text: PDF(384 KB) **IEEE JNL**

☐ **4. Surface micromachined integrated optic polarization beam splitter**
Chuan Pu; Zuhua Zhu; Yu-Hwa Lo;
Photonics Technology Letters, IEEE
Volume 10, Issue 7, July 1998 Page(s):988 - 990
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☐ **5. Integrated magnetooptic Bragg cell modulator in yttrium iron garnet-gadolinium taper waveguide and applications**
Wang, C.L.; Tsai, C.S.;
Lightwave Technology, Journal of
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AbstractPlus | References | Full Text: PDF(156 KB) **IEEE JNL**

☐ **6. Surface micro-machined polarization beam splitting system**
Pu, C.; Zhu, Z.; Lo, Y.-H.;
Broadband Optical Networks and Technologies: An Emerging Reality/Optical MEMS/Si Pixels/Organic Optics and Optoelectronics. 1998 IEEE/LEOS Summer Topical Meeting 20-24 July 1998 Page(s):II/25 - II/26

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☐ **1. Performance of woven convolutional codes with BCJR algorithm**
Wang Lin; Wang Dan; Wang Junyong;
Intelligent Signal Processing and Communication Systems, 2004. ISPACS 2004. Proce
International Symposium on
18-19 Nov. 2004 Page(s):450 - 453
AbstractPlus | Full Text: PDF(293 KB) **IEEE CNF**

☐ **2. A chaotic interleaver used in turbo codes**
Hongyu Zhang; Lin Wang; Qingsheng Yuan; Hongxia Wang; Juebang Yu;
Communications, Circuits and Systems, 2004. ICCCAS 2004. 2004 International Confe
Volume 1, 27-29 June 2004 Page(s):38 - 42 Vol.1
AbstractPlus | Full Text: PDF(360 KB) **IEEE CNF**

☐ **3. Efficient structure for optical interleavers using superimposed chirped fiber Brag**
Wang, Q.J.; Ying Zhang; Yeng Chai Soh;
Photonics Technology Letters, IEEE
Volume 17, Issue 2, Feb. 2005 Page(s):387 - 389
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☐ **4. All-fiber 3 /spl times/ 3 interleaver design with flat-top passband**
Qijie Wang; Ying Zhang; Yeng Chai Soh;
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☐ **5. A novel interleaver design method for turbo codes**
Qi, F.; Zhang, Y.Z.; Shao, D.R.; Wang, M.Z.;
Wireless Communications and Networking Conference, 1999. WCNC. 1999 IEEE
21-24 Sept. 1999 Page(s):476 - 479 vol.1
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☐ **6. Low hardware complexity parallel turbo decoder architecture**
Zhongfeng Wang; Yiyan Tang; Yuke Wang;
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7. **Novel techniques to improve downlink multiple access capacity for Beyond 3G**
Shidong Zhou; Yunzhou Li; Ming Zhao; Xibin Xu; Jing Wang; Yan Yao;
Communications Magazine, IEEE
Volume 43, Issue 1, Jan. 2005 Page(s):61 - 69
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8. **On the code and interleaver design of broadband OFDM systems**
Xiao-Feng Wang; Shayan, Y.R.; Mao Zeng;
Communications Letters, IEEE
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AbstractPlus | References | Full Text: PDF(184 KB) **IEEE JNL**

9. **Achievable information rates and coding for MIMO systems over ISI channels an selective fading channels**
Zheng Zhang; Duman, T.M.; Kurtas, E.M.;
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10. **On the better protection of short-frame turbo codes**
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11. **Peak-to-average power ratio analysis in multicarrier DS-CDMA**
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12. **High performance, high throughput turbo/SOVA decoder design**
Zhongfeng Wang; Parhi, K.K.;
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13. **Flat-top interleavers using two Gires-Tournois etalons as phase-dispersive mirrc Michelson interferometer**
Chao-Hsing Hsieh; Ruibo Wang; Wen, Z.J.; McMichael, I.; Yeh, P.; Chao-Wei Lee; Wo
Photonics Technology Letters, IEEE
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14. **LDPC-based space-time coded OFDM systems over correlated fading channels: analysis and receiver design**
Lu, B.; Xiaodong Wang; Narayanan, K.R.;
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15. **An FPGA prototype of a forward error correction (FEC) decoder for ATSC digital**
Yang, H.; Zhong, Y.; Yang, L.;
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☐ **17. Class of turbo code interleavers based on divisibility**
Qi, F.; Wang, M.Z.; Sheikh, A.U.H.; Shao, D.R.;
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☐ **18. Novel algorithm for continuous decoding of turbo codes**
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☐ **20. Interleaver design for turbo codes**
He, B.; Wang, M.Z.;
Information, Communications and Signal Processing, 1997. ICICS., Proceedings of 19
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Volume 1, 9-12 Sept. 1997 Page(s):453 - 455 vol.1
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☐ **21. On the performance of turbo codes**
Wang, C.C.;
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Volume 3, 18-21 Oct. 1998 Page(s):987 - 992 vol.3
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☐ **22. The influence of interleaver on the minimum distance of turbo code**
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Volume vol.2, 22-24 Oct. 1998 Page(s):5 pp. vol.2
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☐ **23. On the burst properties of P-TC8PSK decoder**
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Volume vol.2, 22-24 Oct. 1998 Page(s):5 pp. vol.2
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☐ **24. Improving faded turbo code performance using biased channel side information**
Wang, C.C.;
Military Communications Conference Proceedings, 1999. MILCOM 1999. IEEE
Volume 1, 31 Oct.-3 Nov. 1999 Page(s):543 - 546 vol.1
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☐ **25. Interleaver design for turbo codes based on divisibility**

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Information Theory and Networking Workshop, 1999
27 June-1 July 1999 Page(s):58

AbstractPlus | Full Text: PDF(88 KB) **IEEE CNF**

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IEEE STD	IEEE Standard

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☐ **26. Interleaver design for short turbo codes**
Wang, M.Z.; Sheikh, A.; Qi, F.;
Global Telecommunications Conference, 1999. GLOBECOM '99
Volume 1B, 1999 Page(s):894 - 898 vol. 1b
AbstractPlus | Full Text: PDF(360 KB) **IEEE CNF**

☐ **27. Analysis of iterative decoding for serial concatenated convolutional codes**
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